

CASE 33412US-PCT

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Date of Deposit

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

SCHOERGENDORFER ET AL.

INTERNATIONAL APPLICATION NO: PCT/EP 2004/011566

FILED: 14 OCTOBER 2004

U.S. APPLICATION NO:

35 USC §371 DATE:

FOR: PROCESS FOR PRODUCING PENICILLIN

**MS: Amendment**

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This paper is being filed within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 of the international application. Therefore, no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

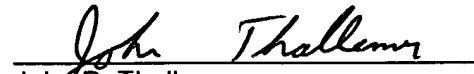
In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The listed references were cited in the international search report. Copies of foreign references are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

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Corporate Intellectual Property  
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John D. Thallemer  
Attorney for Applicants  
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Date: 6/8/06

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
33412US-PCT  
APPLICATION NO.**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

APPLICANT  
SCHOERGENDORFER ET AL.  
FILING DATE

Group

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	US4364782	12/21/82	Funk, et al			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM						<input type="checkbox"/>	<input type="checkbox"/>
	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent pages, Etc.)

AR	Keszenman-Pereyra David et al: "The <i>npgA/cfwA</i> gene encodes a putative 4'-phosphopantetheinyl transferase which is essential for penicillin biosynthesis in <i>Aspergillus nidulans</i> ." Current Genetics, vol.43, no.3, June 2003, pp.186-190; pp.187, left column; figures 1,2; table1
AS	Database EMBL; 23 Nov. 1999; Kim JM et al: "Emericella ( <i>Aspergillus</i> ) <i>nidulans</i> NpgA protein ( <i>npgA</i> ) gene, complete cds" Database accession no. AF198117 sequence
AT	Mootz Henning D et al: "Functional characterization of 4'-phosphopantetheinyl transferase genes of bacterial and fungal origin by complementation of <i>Saccharomyces cerevisiae</i> <i>lys5</i> " Fems Microbiology letters, vol.213, no.1; 16 July 2002, pp.51-57

**EXAMINER****DATE CONSIDERED**

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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	BN						<input type="checkbox"/>	<input type="checkbox"/>
	BO						<input type="checkbox"/>	<input type="checkbox"/>
	BP						<input type="checkbox"/>	<input type="checkbox"/>
	BQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

BR	T Maniatis et al, Molecular Cloning- A Laboratory Manual, 1982, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, USA
BS	C.S. Ho et al: "Enhancing Penicillin Fermentations by Increased Oxygen Solubility Through the Addition of n-Hexadecane", Biotechnology and Bioengineering 36 (1990) pp.1110-1118
BT	L.H. Christensen et al: "A robust liquid chromatographic method for measurement of medium components during penicillin fermentations", Analytica Chimica Acta 296 (1994)pp.51-62

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	BP						<input type="checkbox"/>	<input type="checkbox"/>
	BQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	BR	S. Queener and R. Swartz, in: A.H. Rose (Ed), Secondary products of Metabolism, Academic Press London, 1978, the chapter entitled "Penicillins: Biosynthetic and Semisynthetic"/the subchapter entitled "Fermentation", pages 50-74
	BS	S. Queener and R. Swartz, in: A.H. Rose (Ed), Secondary products of Metabolism, Academic Press London, 1978, the chapter entitled "Penicillins: Biosynthetic and Semisynthetic"/the subchapter entitled "Recovery of Penicillin", pages 75-86
	BT	

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